



Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

AUG 06 2002

02-RCA-0479

Dr. Allyson Brooks
State Historic Preservation Officer
Office of Archaeology and Historic Preservation
Washington Department of Community,
Trade and Economic Development
P.O. Box 48343
Olympia, Washington 98504

Dear Dr. Brooks:

TRANSMITTAL OF THREE CULTURAL RESOURCE REVIEWS: IMMOBILIZED LOW-
ACTIVITY WASTE (ILAW) DISPOSAL FACILITY (HCRC #2002-200-050), MELTER
TRENCH (HCRC #2002-200-051), GROUNDWATER WELL INSTALLATION (HCRC
#2002-200-054)

Enclosed are three cultural resource reviews completed by the Hanford Cultural Resources Laboratory (HCRL) for the U.S. Department of Energy, Richland Operations Office for the subject projects located on the Hanford Site, Richland, Washington. The results of the records and literature review conducted by HCRL staff are described in the attached cultural resource reviews. The results indicate that the proposed undertaking will have no effect upon historic properties. Pursuant to 36 CFR 800.2 (4), we are providing documentation to support these findings and to involve your office as a consulting party in the NHPA Section 106 Review process.

If you have any questions, please contact Annabelle L. Rodriguez, of my staff, on (509) 372-0277.

Sincerely,

Joel Hebdon, Director
Regulatory Compliance and Analysis Division

RCA:ALR

Enclosures

cc w/o encls:
E. L. Prendergast, PNNL



STATE OF WASHINGTON

OFFICE OF COMMUNITY DEVELOPMENT

Office of Archaeology and Historic Preservation

1063 S. Capitol Way, Suite 106 • PO Box 48343 • Olympia, Washington 98504-8343 • (360) 586-3065 Fax Number
(360) 586-3067 • <http://www.oahp.wa.gov>

August 13, 2002

Mr. Joel Hebdon
Regulatory Compliance & Analysis Division
Richland Operations Office
PO Box 550
Richland, WA 99352

Log No: 081202-14-DOE
Re: Immobilized Low Activity Waste Disposal & Others
HCRC # 2002-200-050/2002-200-051/2002-200-054

Dear Mr. Hebdon;

Thank you for providing a copy of the cultural resources survey assessment by the Pacific Northwest National Laboratory for the proposed Immobilized Low Activity Waste Disposal Facility, the proposed Melter Trench and the proposed Groundwater well Installation at the Hanford site.

We concur with their professional recommendations and your finding of no historic properties effected. We would appreciate receiving any correspondence or comments from concerned tribes or other parties that you receive as you consult under the requirements of 36CFR800.4(a)(4).

These comments are based on the information available at the time of this review and on the behalf of the State Historic Preservation Officer in conformance with Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations 36CFR800. Should additional information become available, our assessment may be revised.

In the event that archaeological or historic materials are discovered during project activities, work in the immediate vicinity should be discontinued, the area secured, and this office notified. Thank you for the opportunity to comment and a copy of these comments should be included in subsequent environmental documents.

Sincerely,

Robert G. Whitlam, Ph.D.
State Archaeologist
(360) 586-3080
email: robw@cted.wa.gov

RECEIVED

AUG 16 2002

DOE-RL/RLCC

| | | | | | |
|--|--|---|---|--|--|
| RL-665 (10/00) | | REQUEST FOR CULTURAL AND/OR ECOLOGICAL RESOURCES REVIEW FOR THE HANFORD SITE | | Review Tracking Number 2002-200-050 | |
| ERC Projects (BHI, CH2M Hill) Direct Form and Cultural Resource Questions To: Tom Marceau Phone 372-9289 Fax 372-9654 MSIN H0-23 Direct Form and Ecological Resource Questions To: Ken Gano Phone 372-9316 Fax 372-9654 MSIN H0-23 | | | All Other Hanford Projects (PHMC, PNNL, Other) Direct All Forms and Cultural Resource Questions To: Ellen Prendergast Phone 376-4626 Fax 373-2958 MSIN K6-75 Direct Ecological Resource Questions To: Mike Sackschewsky Phone 376-2554 Fax 372-3515 MSIN K6-85 | | |
| Date Sent: 6/28/02 | | | Date Findings Requested By: 7/12/02 | | |
| Primary Contact: Ted Wooley E-mail: Theodore_A_Wooley@rl.gov Telephone: 372-1617 | | | Company/Organization: CH2M Hill Hanford Group Fax: 509-376-0175 MSIN: R1-51 | | |
| Secondary Contact: Derek Ballinger Telephone: 373-3469 | | | Company/Organization: CH2M Hill Hanford Group Fax: 509-376-0175 MSIN: R1-51 | | |
| Project Name: ILAW Disposal Facility Project Number/COA: RL Project Manager: | | | | | |
| REQUESTOR SHOULD SUBMIT A COPY OF THIS REQUEST TO THE RL PROJECT MANAGER UNDER WHOM THEIR PROJECT FALLS WITHIN 5 DAYS. | | | | | |
| Project Description, including Time Period over which proposed action will occur: It has been proposed that immobilized low-activity waste (ILAW) be disposed of in six lined trenches southeast of the PUREX facility in the 200E Area. Each trench will contain three layers of stainless steel ILAW containers separated by 1 m of soil for a total volume of 25 hectare-meters of retrievable disposed waste. The facility is still in the conceptual and design stages but is expected to begin operating in early 2008. | | | | | |
| Project Dimensions: Each trench will be approximately 80 m wide, 260 m long, and 10 m deep. | | | | | |
| Depth of Excavation(s): 10 m | | | | | |
| Project Location: <input type="checkbox"/> 100 Area <input checked="" type="checkbox"/> 200 East Area <input type="checkbox"/> 200 West Area <input type="checkbox"/> 300 Area <input type="checkbox"/> 400 Area <input type="checkbox"/> 600 Area <input type="checkbox"/> 700 Area <input type="checkbox"/> Other: | | | | | |
| Township _____ N, Range _____ E | | | UTM: Easting: _____ Northing: _____ | | |
| Please also provide the following: 1. Overview map showing project location (or other suitable map to assist in finding the project site) 2. Map or scale drawing showing all excavation areas (including water, sewer, and power lines, etc.), parking, topsoil storage areas, equipment staging areas, access roads, and utility corridors. | | | | | |
| Submitted By: Derek Ballinger | | | Telephone: 373-3469 | | |

AFTILAW

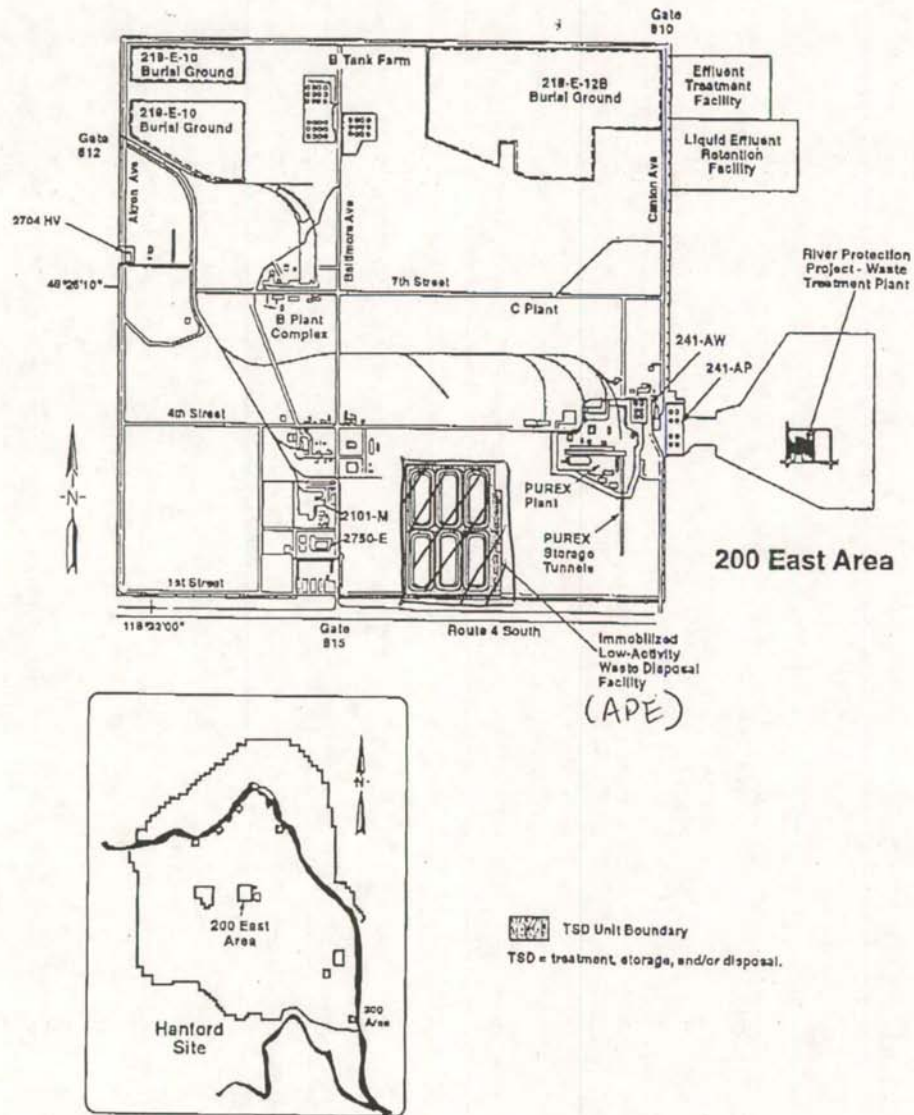
DOE/RL-2001-XX, Rev. 0
07/2001

Figure 2-1. Immobilized Low-Activity Waste Disposal Facility Site Plan.

010724.1534

F2-1



STATE OF WASHINGTON
OFFICE OF COMMUNITY DEVELOPMENT
Office of Archaeology and Historic Preservation
1063 S. Capitol Way, Suite 106 • PO Box 48343 • Olympia, Washington 98504-8343 • (360) 586-3064
Fax Number (360) 586-3067 • <http://www.oahp.wa.gov>

July 9, 2002

Ms. Annabelle Rodriguez
Cultural and Historic Resources Program
Richland Operations Office
PO Box 550
Richland, WA 99352

Log No.: 070902-10-DOE
Re: ILAW Disposal Facility
HCRC # 2002-200-050


Dear Ms. Rodriguez;

We have reviewed the materials forwarded to our office for the above referenced project concerning the proposed Immobilized low-activity waste (ILAW) to be disposed of in six lined trenches in the 200 East Area of the Hanford Site. We concur with your determination of the Area of Potential Effect as illustrated in the attached figure. We look forward to receiving the results of your review and on-site surveys.

These comments are based on the information available at the time of this review and on behalf of the State Historic Preservation Officer in compliance with the Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations 36CFR800.4. Should additional information become available, our assessment may be revised, including information regarding historic properties that have not yet been identified. We would also appreciate receiving any correspondence or comments from concerned tribes or other parties that you receive as you consult under the requirements of 36CFR800.4(a)(4).

These comments are based on the information available at the time of this review and on behalf of the State Historic Preservation Officer. Should additional information become available, our assessment may be revised. Thank you for the opportunity to comment and we look forward to receiving the reports on the results of your investigations.

Sincerely,


Robert G. Whitlam, Ph.D.
State Archaeologist
(360) 586-3080
email: robw@cted.wa.gov

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JUL 15 2002
DOE-RL/RLCC

Pacific Northwest National Laboratory

Operated by Battelle for the
U.S. Department of Energy

July 9, 2002

*No Affect to Historic Properties
30-Day SHPO Review Required*

Ted Wooley
CH2M Hill Hanford Group, R1-51
Richland, Washington 99352

Subject: Cultural Resources Review of Immobilized Low-Activity Waste (ILAW) Disposal Facility
(HCRC #2002-200-050)

Dear Mr. Wooley,

In response to your request received July 8, 2002, staff of the Hanford Cultural Resources Laboratory (HCRL) conducted a cultural resources review of the subject project. It has been proposed that Immobilized Low-Activity Waste (ILAW) be disposed of in six lined trenches southwest of the PUREX facility in the 200 East Area of the Hanford Site, Richland, Washington. Each trench will contain three layers of stainless steel ILAW containers separated by 1 m of soil for a total volume of 25 hectare-meters of retrievable disposed waste. The ILAW facility is still in the conceptual and design stages but is expected to begin operation in early 2008. Each trench will be approximately 80 m wide, 260 m long, and 10 m deep.

Notifications and Public Involvement

On July 9, 2002:

- Per 36 CFR 800, the State Historic Preservation Officer (SHPO) and Tribes were notified of this cultural resources review request and the Area of Potential Effect (APE). The APE is defined as the project area delineated in the attached map.
- Per 34 Stat. 225, 16 U.S.C. 431, the United States Fish and Wildlife Service (USFWS) were notified of this request for cultural resource review.

Results of the Identification of Historic Properties Survey (Literature and Records Review)

A preliminary records and literature review revealed that the project area was surveyed in the past by HCRC #88-200-028 and two historic isolates were recorded in the vicinity of the project area (HI-88-024 and HI-88-025). In 1994, the project area was surveyed as one of the alternative locations (Area B) for the proposed Tank Waste Remediation Systems Complex (TWRS) by HCRC #94-600-060 and no cultural resources were located. An additional cultural resource review was conducted in 1998 (HCRC #98-200-033) for the ILAW complex for grubbing of the existing surface up to two feet for access roads, creation of three well pads and installation of 3 wells. Cultural resource clearance was given for this project on the basis of previous surveys

902 Battelle Boulevard • P.O. Box 999 • Richland, WA 99352

Telephone (509) 376-4626 ■ Email ellen.prendergast@pnl.gov ■ Fax (509) 376-2210

Ted Wooley
July 9, 2002
Page 2

(HCRC #88-200-028 and 94-600-060). An examination of aerial photographs taken in 1987 showed that much of the project area is undisturbed. As few cultural resources have been located within the APE and the vicinity of the APE, this indicates that the project is located in an area of low archaeological sensitivity and the potential for the presence of subsurface archaeological resources is low.

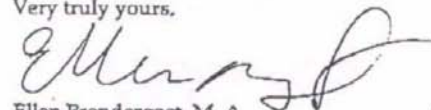
Findings and Actions Required

It is the finding of HCRL that this project will not affect historic properties, as no cultural resources are known to be located within the APE.

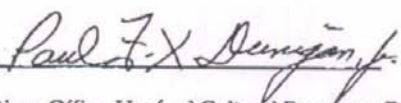
RL's Hanford Cultural Resources Program will submit official documentation to the SHPO, Tribes and interested parties of our findings. Pursuant to 36CFR Section 800 affording SHPO, ACHP, and tribes 30 days to comment, these parties have 30 days to respond in receipt of this letter. No project activities can begin until the SHPO has concurred with our findings stated above.

The workers must be directed to watch for cultural materials (e.g., historic artifacts) during all work activities. If any are encountered, work in the vicinity of the discovery must stop until an HCRL historian has been notified to assess the significance of the find, and, if necessary, arrange for mitigation of the impacts to the find. HCRL must be notified if any changes to project location or scope are anticipated. This project is a Class 5 case involving construction in an undisturbed area. If you have any questions, please call me at 376-4626. Please use the HCRC# above for any future correspondence concerning this project.

Very truly yours,


Ellen Prendergast, M. A.
Research Scientist/ Anthropologist
Cultural Resources Project

Concurrence: 
D. C. Stapp, Project Manager
Cultural Resources Project

Review and Concurrence: 
A. L. Rodriguez
DOE, Richland Operations Office, Hanford Cultural Resources Program

cc: A. L. Rodriguez, A5-58 (2)
Environmental Portal, A3-01
K.R. Welsch, N1-25
File/LB

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|---|--|---|---|---|--|
| RL 665 (10/00) | | REQUEST FOR CULTURAL AND/OR ECOLOGICAL RESOURCES REVIEW FOR THE HANFORD SITE | | Review Tracking Number <i>2002-200-051</i> | |
| ERC Projects (BHI, CH2M Hill) Direct Form and Cultural Resource Questions To: Tom Marceau Phone 372-9289 Fax 372-9654 MSIN H0-23 Direct Form and Ecological Resource Questions To: Ken Gano Phone 372-9316 Fax 372-9654 MSIN H0-23 | | | All Other Hanford Projects (PHMC, PNNL, Other) Direct All Forms and Cultural Resource Questions To: Ellen Prendergast Phone 376-4626 Fax 373-2958 MSIN K6-75 Direct Ecological Resource Questions To: Mike Sackschewsky Phone 376-2554 Fax 372-3515 MSIN K6-85 | | |
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| Primary Contact: Ted Wooley | | | Company/Organization: CH2M Hill Hanford Group | | |
| E-mail: Theodore_A_Wooley@rl.gov | | | | | |
| Telephone: 372-1617 | | | Fax: 509-376-0175 MSIN: R1-51 | | |
| Secondary Contact: Derek Ballinger | | | Company/Organization: CH2M Hill Hanford Group | | |
| Telephone: 373-3469 | | | Fax: 509-376-0175 MSIN: R1-51 | | |
| Project Name: Melter Trench | | | | | |
| Project Number/COA: | | | | | |
| RL Project Manager: | | | | | |
| REQUESTOR SHOULD SUBMIT A COPY OF THIS REQUEST TO THE RL PROJECT MANAGER UNDER WHOM THEIR PROJECT FALLS WITHIN 5 DAYS. | | | | | |
| Project Description, including Time Period over which proposed action will occur: | | | | | |
| <p>The vitrification plant currently under construction in the Hanford area will use melters that liquify the waste and glass material. It has been proposed that these melters be disposed of after their estimated five-year lifespans into a specially designed trench. This trench will accomodate an estimated volume of 6,825 cubic meters of failed melters and must be operational before 2008.</p> | | | | | |
| Project Dimensions: | | | | | |
| The melter trench will have a length of 270 m, a width of 120 m, and a depth of 21 m. | | | | | |
| Depth of Excavation(s): 21 m | | | | | |
| Project Location: | | | | | |
| <input type="checkbox"/> 100 Area <input checked="" type="checkbox"/> 200 East Area <input type="checkbox"/> 200 West Area <input type="checkbox"/> 300 Area <input type="checkbox"/> 400 Area <input type="checkbox"/> 600 Area <input type="checkbox"/> 700 Area <input type="checkbox"/> Other: | | | | | |
| Township _____ N, Range _____ E UTM: Easting: _____ Northing: _____ | | | | | |
| Please also provide the following: | | | | | |
| 1. Overview map showing project location (or other suitable map to assist in finding the project site) | | | | | |
| 2. Map or scale drawing showing all excavation areas (including water, sewer, and power lines, etc.), parking, topsoil storage areas, equipment staging areas, access roads, and utility corridors. | | | | | |
| Submitted By: Derek Ballinger | | | Telephone: 373-3469 | | |

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4.1.1 Alternative Description

The following describes each disposal site alternative. Figure 4-3 presents the general location of disposal site alternatives, excluding the multiuse burial trench site (Alternative 1C). As discussed in the Alternative 1C description, the multiuse burial trench program is at such an early stage of development that a site has not been selected.

Figure 4-3. Potential Failed Melter Disposal Sites.

